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Nonlinear gluon evolution at a strong coupling

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The recent proposal for an evolution equation for unintegrated gluon densities for large values of the QCD coupling constant α_s is going to be presented. The approach is based on the linear resummation model introduced by Stasto. It is generalized to account for nonlinearity in the diffusive regime. The validity of the diffusive evolution at strong coupling is supported by the AdS/CFT consideration, as well as perturbative arguments. The solution of the proposed equation is presented as well as the generated saturation scale.

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